

Electronic Filing System (EFS) Data  
Electronic Patent Application Submission  
USPTO Use Only

EFS ID: 19113  
Application ID: 10065485  
Title of Invention: System for High Density Linear  
Serpentine Data Recording.  
First Named Inventor: Jack Marion  
Domestic/Foreign Application: Domestic Application  
Filing Date: null  
Effective Receipt Date: 2002-10-23  
Submission Type: Utility Patent Filing  
Filing Type: null  
Confirmation Number: 0  
Attorney Docket Number: HDR01  
Digital Certificate Holder: cn=Peter L. Groel, ou=Independent Inventors, ou=Patent and  
Trademark Office, ou=Department of Commerce, o=U.S.  
Government, c=US  
Certificate Message Digest: ftpW2eNuaXVPCstbOuKjMA==  
Total Fees Authorized: \$410.0  
Payment Category: CC - Credit Card  
Credit Card Number: \*\*\*\*\*9232  
Expiration Date: 10312004  
Card Holder Name: Peter L Groel  
RAM User ID: EFSPROD  
RAM Accounting Date: 2002-10-23  
RAM Sequence Number: 550462  
RAM Payment Status: RAM success  
Postal Code: 80504



# TRANSMITTAL FORM

Electronic Version 1.0.3

Stylesheet Version: 1.0

Submission Type: Utility Patent  
Filing

Attorney Docket  
Number:

JC474 U.S. PRO  
10/065485  
10/23/02  
HDR01

## System for High Density Linear Serpentine Data Recording.

First Named Inventor: Jack L Marion

### SUBMITTED BY

Name:

Peter L Groel

Electronic Signature Mark: /pg/

Date Signed: 20021023

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*I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.*

### Attached Files:

declaration

declp1.tif

declaration

declp2.tif

small-entity

smallent.tif

patent-assignments

hdrsubasgn.xml

specification

hdr.xml

bibd-transmittal  
fee-transmittal

hdrsubapds.xml  
hdrsubfee.xml

Attached Image File(s):

declp1.tif  
declp2.tif  
smallent.tif

Comments:

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# FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

*Patent fees are subject to annual revisions on or about October 1st of each year.*

Small Entity

Small Business Concern

**TOTAL FEES AUTHORIZED: \$ 410**

## BANK (CREDIT) CARD INFORMATION:

Credit Card Number: 9232  
Expiration Date: 20041031  
Authorized Name: Peter L Groel  
Billing Address: 80504

## BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	2001	\$ 370

Subtotal For Basic Filing Fee: \$ 370

## EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 14	2202	\$ 9	0	\$ 0
Independent Claims: 2	2201	\$ 42	0	\$ 0

Subtotal For Extra Claims Fees: \$ 0

## ADDITIONAL FEES

Fee Description	Number	Quantity	Fee Code	Amount	Fee Paid
Recording Each Patent Assignment Per Property Fee	00000000	1	8021	\$ 40	\$ 40

Subtotal For Additional Fees: \$ 40